

HEV Fleet Testing

Advanced Vehicle Testing Activities



2000 Honda Insight

VIN #
JHMZE1359YT003672



*Less dependence
on Foreign oil,
and eventual
transition to an
emissions-free,
petroleum-free
vehicle*

Fleet Performance

Description:

This vehicle was operated in the Technology Development fleet of Arizona Public Service. The vehicle was assigned to a specific individual responsible for achieving operating mileage objectives. The vehicle was operated on a daily basis on Phoenix, Arizona surface streets and freeways. Occasionally, the vehicle was operated Outside of Phoenix, typically traveling 150 to 300 miles round trip.

Vehicle Specifications

Engine: 3-cylinder, 48 kW @ 5700 rpm

Electric Motor: 10 kW

Battery: Nickel Metal Hydride

Seatbelt Positions: Two

Payload: 411 lbs

Features: Regenerative Braking
5 Speed Transmission

See HEVAmerica Baseline Performance Fact Sheet for more information.

Major Operations & Maintenance Events:

Hit parking bumper and tore front air dam.

Cost: \$1,992 (not included in maint. cost)
battery pack and controller (under warranty)

Operating Cost:

Purchase Cost: \$22,387 (9/01)*

Kelly Used Vehicle Price: \$8,695 (12/03)

Sale Price: Testing Complete

Maintenance Cost: \$0.03/mile

Operating Cost: \$0.08/mile

Total Ownership Cost: \$0.29/mile

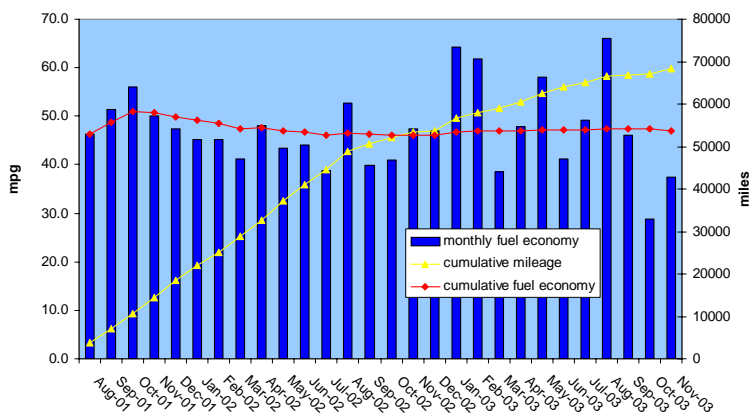
Operating Performance:

Total miles driven: 68,287

Cumulative MPG: 47.10

* Purchase includes dealer price with options plus taxes. It does not include title, license, registration, extended warranty or delivery fee costs. Gas figured at \$1.80/gallon.

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U.S. Department of Energy
**Energy Efficiency
and Renewable Energy**

FREEDOMCAR & VEHICLE TECHNOLOGIES PROGRAM

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Maintenance Sheet for 2000 – Honda Insight Hybrid



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Date	Mileage	Description	Cost
9/22/2001	11,081	Driver hit parking bumper and damaged front air dam. Air dam replaced	\$ 1,992.02
9/24/2001	12,008	Change oil	\$ 30.12
12/3/2001	20,233	Tires require replacement. Original equipment tires not available locally from Honda or aftermarket.	\$ -
12/3/2001	20,233	Change oil	\$ 29.95
12/26/2001	22,768	Replace front tires. Original equipment tires ordered by Discount Tire Company	\$ 141.59
1/26/2002	27,426	Change oil	\$ 21.97
5/4/2002	32,853	Change oil	\$ 35.96
6/7/2002	44,130	Four wheel brake service	\$ 177.78
8/20/2002	53,249	Replace 12 volt accessory battery	\$ 70.00
11/15/2002	58,228	60,000 mile service and replace 2 tires	\$ 830.48
8/7/2003	70,748	6 months 7500 mile service	\$ 239.41
8/19/2003	71,901	Traction battery pack and battery control module replaced	warranty
9/5/2003	71,901	Rear view detached. Mirror replaced	\$ 113.80
10/22/2003	72,210	PCM software updated	warranty
2/12/2004	73,673	75,000 miles service	\$ 253.28



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Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable